



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)



Agenda of Expert Appraisal Committee

Meeting ID : IA/IND3/13445/15/02/2023
Meeting Venue : Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003 through Video Conferencing (VC)
Meeting Type : Video Conference
Agenda Generation Date : 10-02-2023

The following proposals are being considered for deliberation in the Expert Appraisal Committee as per the schedule given below :

Meeting Schedule :

S.No	Meeting date	Time (From)	Time (To)
1	15 Feb 2023	10:30 AM	18:30 PM
2	16 Feb 2023	10:30 AM	18:30 PM
3	17 Feb 2023	10:30 AM	18:30 PM

Date of Meeting : 15-02-2023

S.No	Proposal No.	File No.	Proposal Name	Company Name	Location	Proposal Type
1	IA/GJ/IND3/286824/2022	IA-J-11011/335/2022-IA-II(I)	Expansion in Dyes Manufacturing, Blending of Dyes & Repacking of SO Dyes Plant by M/s. Nitin Dye Chem Pvt. Ltd.	NITIN DYE CHEM PVT LTD	Tehsil: Pardi District: Valsad State: Gujarat	Amendment EC
2	IA/GJ/IND3/291239/2022	IA-J-11011/458/2021-IA-II(I)	Proposed New Project of Pesticides and pesticide specific intermediates (excluding formulations)-5(b) & Synthetic Organic Chemicals (Dyes & dye intermediates; bulk drugs and intermediates excluding dr	AARTI INDUSTRIES LIMITED	Tehsil: Jhagadia District: Bharuch State: Gujarat	Amendment EC
3	IA/GJ/IND3/400615/2022	IA-J-11011/60/2022-IA-II(I)	Proposed expansion project for manufacturing of Pesticides Technical, Pesticide Specific Intermediates, Specialty Chemical along with addition of Captive Co-Gen Power Plant by M/s. Rallis India Limited	RALLIS INDIA LIMITED	Tehsil: District: State: Gujarat	EC
4	IA/HR/IND3/248488/2021	IA-J-11011/5/2023-IA-II(I)	Expansion of Antibiotic Bulk Drugs (API) Manufacturing Unit	PENAM LABORATORIE S LTD	Tehsil: Rewari District: Rewari State: Haryana	EC
5	IA/GJ/IND3/407002/2022	IA-J-11011/520/2022-IA-II(I)	Proposed Expansion at Existing Unit of M/s. Shakti Ammonia Supply Company	SHAKTI AMMONIA SUPPLY COMPANY	Tehsil: District: Vadodara State: Gujarat	TOR
6	IA/UP/IND3/246935/2021	0	Subham Polychem Pvt. Ltd.	SUBHAM POLYCHEM PRIVATE LIMITED	Tehsil: Bakshi Ka Talab District: Lucknow State: Uttar Pradesh	EC

7	IA/RJ/IND3/ 415867/202 3	IA-J- 11011/32/20 23-IA-II(I)	Expansion in production capacity of existing thermosetting Moulding Powder Manufacturing Unit from 2100 MT/annum to 4500 MT/annum located at Plot No. F-1041 RIICO Industrial Area, Bhiwadi Tehsil: Tijara District: Alwar (Raj) by Chawla Polychem	ASHOK CHAWLA	Tehsil: District: Alwar State: Rajasthan	TOR
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Date of Meeting : 16-02-2023

S.No	Proposal No.	File No.	Proposal Name	Company Name	Location	Proposal Type
1	IA/UP/IND3/ 287858/202 2	IA-J- 11011/327/2 022-IA-II(I)	Proposed Active Pharmaceutical Ingredients (API) and Chemical Intermediates Manufacturing Unit	DYKES & DUNES ENTERPRISES PRIVATE LIMITED	Tehsil: Gajraula District: Amroha State: Uttar Pradesh	TOR
2	IA/RJ/IND3/ 416211/202 3	IA-J- 11011/33/20 23-IA-II(I)	Production of Synthetic Amino Resin Manufacturing Unit of 500 MT/Annum located at RIICO Industrial Area, Chopanki, District Alwar (Raj.)	SAINT POLYMERS	Tehsil: District: Alwar State: Rajasthan	TOR
3	IA/GJ/IND3/ 414225/202 3	IA-J- 11011/17/20 23-IA-II(I)	Proposed production of Synthetic organic chemicals manufacturing unit having total capacity of 80 Mt/Month by M/s. J S Chemicals	J S CHEMICALS	Tehsil: District: Bharuch State: Gujarat	TOR
4	IA/TN/IND3/ 413044/202 3	J- 11011/20/99 -IA-II(I)	Expansion of Caustic Soda production capacity from 150 TPD to 250 TPD by bipolar membrane cell process in the existing Heavy Chemicals Division Plant (HCD Plant)	M/S TAMILNADU PETROPRODU CTS LIMITED	Tehsil: District: State: Tamil Nadu	EC
5	IA/TG/IND3/ 414428/202 3	IA-J- 11011/42/20 23-IA-II(I)	Virchow Petrochemical Pvt Ltd	VIRCHOW PETROCHEMI CAL PRIVATE LIMITED	Tehsil: District: State: Telangana	EC
6	IA/GJ/IND3/ 413736/202 3	IA-J- 11011/205/2 022-IA-II(I)	M/s. Panila Chem Ltd. (Unit-2)	PANILA CHEM LIMITED	Tehsil: District: State: Gujarat	EC

Date of Meeting : 17-02-2023

S.No	Proposal No.	File No.	Proposal Name	Company Name	Location	Proposal Type
1	IA/GJ/IND3/ 414477/202 3	IA-J- 11011/16/20 23-IA-II(I)	EXPANSION OF CHEMICAL FERTILIZER UNIT BY M/S. AARTI FERTILIZERS (A DIVISION OF AARTI INDUSTRIES)	AARTI INDUSTRIES LIMITED	Tehsil: District: Valsad State: Gujarat	TOR
2	IA/AP/IND3/ 412939/202 3	IA-J- 11011/434/2 021-IA-II(I)	Proposed Establishment of Agrochemicals, Synthetic Organic chemicals, Fluorine based chemicals manufacturing facility and Co-generation Power Plant (6 MW)	NACL MULTICHEM PRIVATE LIMITED	Tehsil: District: State: Andhra Pradesh	EC

3	IA/GJ/IND3/287393/2022	IA-J-11011/299/2022-IA-II(I)	Panoli Intermediates India Pvt Ltd Plt No 122 and 128 GIDC Nandesariri Vdodara	PANOLI INTERMEDIATES (INDIA) PRIVATE LIMITED	Tehsil: Vadodara District: Vadodara State: Gujarat	TOR
4	IA/GJ/IND3/415285/2023	IA-J-11011/46/2023-IA-II(I)	Expansion for Manufacturing of Various Resins, Esters, Monomers within Existing Premises by M/s. Huber Group India Pvt. Ltd.	HUBERGROUP INDIA PRIVATE LIMITED	Tehsil: District: State: Gujarat	EC
5	IA/MH/IND3/416681/2023	IA-J-11011/55/2023-IA-II(I)	Expansion of Agrochemicals, Synthetic Organic Chemicals & their intermediates manufacturing plant	GHARDA CHEMICALS LIMITED	Tehsil: District: Thane State: Maharashtra	TOR
6	IA/GJ/IND3/288757/2022	IA-J-11011/319/2022-IA-II(I)	Sodium Metal Pvt. Ltd. (Unit-II)	SODIUM METAL PRIVATE LIMITED	Tehsil: Vadodara District: Vadodara State: Gujarat	TOR

Any Other Item with Permission of Chairman:

S.No	Proposal No.	File No.	Proposal Name	Company Name	Location	Remarks
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List of EAC Member :

S.No	Members Name	Designation	Email_ID
1	Prof. A.B. Pandit	Chairman	ab.pandit@ictmumbai.edu.in
2	Dr. Suresh Panwar	Member	spcpri@gmail.com
3	Shri Sanjay Bisht	Member	sanjay.bist@imd.gov.in
4	Dr. Rakesh Kushwaha	Member	kushwaha-cgwb@gov.in
5	Shri Tukaram M Karne	Member	tmkarne@gmail.com
6	Dr.Vijay S. Moholkar	Member	vmoholkar@iitg.ac.in
7	Prof. S. N. Upadhyay	Member	snupadhyay.che@iitbhu.ac.in
8	Shri Dinabandhu Gouda	Member	dinabandhu.cpcb@nic.in
9	Shri Suneet Dwivedi,	Member	suneetdwivedi@gmail.com
10	Dr. Ashok Kumar Saxena	member	ashoksaxena1159@gmail.com
11	Shri Santosh Gondhalkar	Member	santoshgo@gmail.com
12	Prof. (Dr.) Pradeep Kumar Mishra	Member	pkmishra.che@itbhu.ac.in
13	Mr. MOTIPALLI RAMESH	Member Secretary	ramesh.motipalli@nic.in

**GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(IA DIVISION-INDUSTRY-3 SECTOR)**

Dated: 10.02.2023

AGENDA FOR 47th MEETING OF THE EXPERT APPRAISAL COMMITTEE (INDUSTRY-3 SECTOR), SCHEDULED TO BE HELD DURING 15th-17th FEBRUARY, 2023

Instructions: Project Proponents are requested to strictly follow the following instructions:

1. It is informed that the 47th Meeting of EAC is scheduled to be held during **15th-17th February, 2023** through **Video Conferencing Mode** and accordingly all Project Proponents are requested to send all the documents (viz. Presentation, Brief, EIA/EMP Report and other requisite documents) to the **EAC & Ministry immediately or latest by 11.02.2023, by mentioning the Agenda No., Date and project name in the subject of the e-mail and on the folder of the pen drive. Hard copies are strictly not accepted.**
2. It is requested that the Project Proponent or his/her authorized representative should **participate in EAC Meeting through Video Conferencing (preferably not more than three representatives)** who can make a presentation on their behalf on the salient features of the project, the related environmental issues, proposed Environmental Management Plan and also respond to the queries/suggestions of the Committee. The name of representatives may be communicated in advance.
3. NIC, MoEFCC will moderate the Video Conferencing meeting. The Guidelines related to connecting VC is annexed herewith. PP has to communicate the name of person and his mobile number attending the EAC meeting and be ready before 1 hour of the slot allowed to them. If any problem faced please contact Mr. Kamal, Moderator, NIC (Mobile No. 8800225087, email- support-ipb@nic.in). **PP is requested to join the meeting in VC with Agenda No. [(for ex. 47.1 (Name of PP) & Name of Consultant)].**
4. The Project Proponents are requested to circulate the documents either in pen drive or e-mail whichever is convenient (**bulky EIA/EMP reports may be sent in pen drive mentioning the agenda number**) for the projects included in the Agenda given below, to the Chairman and Members of the Committee (as per list given below) immediately. The proponents shall not wait for individual letters to be issued. **The documents shall reach the members at the earliest.**
5. All the documents and presentation material should be legible and printed on both sides on ordinary paper. In case the members of the **Expert Appraisal Committee do not receive the proposals, the Committee will not consider the project.**
6. **Kindly make the presentation before the EAC based on the template provided at Annexure III. Copy of presentation along with annexures and brief shall be forwarded to the EAC/Ministry immediately or latest by 11.02.2023.** The soft copies sent by the PPs/consultants are most of the time do not open especially in ZIP/ RAR /Google drive, therefore PP is requested to send documents in pdf form by Post or Email (pdf/power point). **PP shall not send forward the link to download the documents.**
7. The project proponents should submit the Form-2, Pre-feasibility report, approval from concerned department/states, certified compliance of existing EC/CTO, Environment Impact Assessment (EIA/EMP) Report, public hearing report, queries subsequently raised by the Ministry, if any, and your para-wise comments thereto etc., details of the court matters/Orders of the Court pertaining to the project, if any are required to be **forwarded to the Chairman/Members of the Expert Appraisal Committee (Industry-3 Sector)** in accordance with Environment Impact Assessment Notification, 2006 (as amended) **including copy of Presentation, brief and other reports/ documents at earliest or latest by 11.02.2023.** List of Committee Members is attached herewith.
8. During presentations all the important features such as **National Parks, Wildlife Sanctuary, Mangroves, Biosphere Reserves/Bio-diversity, Heritage sites, Reserve Forests, Rivers, water**

Bodies, Highways, Railway line, Habitations, Critically Polluted Areas (CPA) etc. should be clearly indicated in an area of 10 km radius of the proposed site. The KML/Shape files should be emailed on the below mentioned email addresses immediately or before 11.02.2023.

9. In accordance with the circular no. J-11011/618/2010-IA.II (I) dated 30.5.2012, **in case of expansion project**, for which environment clearance was issued earlier, the project proponent shall submit a certified report of the status of compliance of the conditions stipulated in the environment clearance for the on-going / existing operations of the project by the Regional Offices of Ministry of Environment, Forest and Climate Change. **In case of Unit is operating with CTO, a certified compliance report from the SPCB needs to be submitted as per TOR granted to the project.** The status of compliance of the conditions stipulated in the EC/TOR as highlighted in the report(s) will be discussed by the EAC during appraisal of the project.
10. **The Project Proponents shall ensure that the reports / documents uploaded on the website of the Ministry and circulated to the EAC members are the same. In case of discrepancy, the project will not be considered.**
11. The Consultant shall include an **undertaking in the EIA report that the prescribed TOR have been complied with and that the data submitted is factually correct** and also an undertaking shall be submitted owning the contents (information and data) in the EIA/EMP report.
12. **The Project Proponents shall submit the detailed availability/facility/capacity of the treatment of waste water in the CETP and its working status from the concerned authority/ SPCB, in case of the treatment of waste water through CETP.**
13. **The Consultants are now being graded based on the EIA/EMP Report, Impact assessment and its mitigation measures to the projects and its presentation made before the EAC. Therefore, the Consultant shall follow all the Rules/Guidelines issued by the Ministry from time to time and make the correct Report, failing which necessary action against the consultant may be taken accordingly. Consultant shall submit the Plagiarism Certificate accordingly.**
14. **PP shall submit the detailed green belt development plan along with details of species, timelines, budget provisions and also implementation status (for existing unit).**
15. **In case of pesticide projects, life cycle analysis study, if any needs to be included in the presentation for appraisal of EAC.**
16. **The presentation shall also include details of carbon foot prints and carbon sequestration study w.r.t. proposed project needs to spell out. Proposed mitigation measures also needs to be included in the PPT and submitted for further appraisal of the EAC.**
17. Any changes/modification with respect to the Agenda, Venue etc., would be indicated in Ministry's website. You are also requested to keep track of the status of your project from the Ministry's Website i.e., <https://parivesh.nic.in>
18. Kindly send a brief write up/ Executive Summary of 3-4 pages (in Word Format only) as per following format **with CAS No.** (Annexure - 'I' in respect of the proposals for Environmental clearance to the EAC secretariat. Information should be sent in word format only on following e-mails including Members of the EAC immediately or latest by **11.02.2023**.

ramesh.motipalli@nic.in

pradeep.ks22@gov.in

bhawana.knegi@gov.in

(Dr. M. Ramesh)
Scientist 'E' &
Member Secretary, EAC (Ind. 3),
Email: ramesh.motipalli@nic.in;
Tel: 011- 20819338

Note: The items listed for environmental clearances will be taken up for appraisal only on fulfilment of relevant instructions given above.

**AGENDA FOR 47th EXPERT APPRAISAL COMMITTEE (INDUSTRY-3) MEETING TO BE
HELD DURING 15th-17th FEBRUARY, 2023**

Venue: Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003 through Video Conferencing (VC)

15th FEBRUARY, 2023 (WEDNESDAY) DAY-1

Time: 10:30 AM onwards

Agenda No.	Details of proposals
47.1	Expansion of Synthetic Organic Chemicals manufacturing plant at Plot No: 195, 195/3 Phase II, Notified Industrial Area, GIDC Vapi, Tal. Pardi, Dist. Valsad, Gujarat by M/s Nitin Dye Chem Pvt. Limited – Reconsideration of Amendment in EC [Proposal No. IA/GJ/IND3/286824/2022; File No. IA-J-11011/335/2022-IA-II(I)]
47.2	Setting up of pesticides and pesticide specific intermediates & Synthetic Organic Chemicals of capacity 201480 TPA located at Plot no. 41/1, GIDC Notified Industrial Estate, Jhagadia, District Bharuch, Gujarat by M/s Aarti Industries Limited. – Reconsideration of Amendment in EC [Proposal No. IA/GJ/IND3/291239/2022; File No. IA-J-11011/458/2021-IA-II(I)]
47.3	Proposed Expansion of Pesticides Technical, Pesticide Intermediate and Specialty Chemicals of production capacity from 528.35 MTPM to 759.24 MTPM along with addition of Captive CoGen Power Plant with production capacity located at Plot No. 3301, GIDC Industrial Estate, Ankleshwar, Dist. Bharuch, Gujarat by Rallis India Limited - Reconsideration of EC [Proposal No. IA/GJ/IND3/400615/2022; File No. IA-J-11011/60/2022-IA-II(I)]
47.4	Expansion of Antibiotic Bulk Drugs (API) Manufacturing Unit of production capacity from 742.50 TPA & 363.05 TPA of By-Product to the total capacity 990 TPA & Byproducts: 435.66 TPA located at Village Joniawas, Tehsil & district-Rewari, Haryana by M/s Penam Laboratories Ltd. - Reconsideration of EC [Proposal No. IA/HR/IND3/248488/2021; File No IA-J-11011/5/2023-IA-II(I)]
47.5	Proposed Expansion of synthetic organic chemical upto production capacity of 100 TPM and total Inorganic Chemical Products (Non EC product) from 600 TPM to 350 TPM located at Plot No. 155/3 & 4, GIDC Nandesari, Dist. Vadodara, Gujarat by M/s. Shakti Ammonia Supply Co. - Reconsideration of ToR [Proposal No. IA/GJ/IND3/407002/2022; File No. IA-J-11011/520/2022-IA-II(I)]
47.6	Expansion of manufacturing of formaldehyde in existing facility from (1067 MTPM to 4400 MTPM) located at Village- Goyala, Mohana, Deva Road, Lucknow, Uttar Pradesh by M/s. Subham Polychem Pvt. Ltd - Consideration of EC [Proposal No. IA/UP/IND3/246935/2021; File No. IA-J-11011/43/2021-IA-II(I)]
47.7	Expansion in production capacity of existing thermosetting Moulding Powder Manufacturing Unit from 2100 MT/annum to 4500 MT/annum located at Plot No. F-1041 RIICO Industrial Area, Bhiwadi, Tehsil: Tijara, District: Alwar, Rajasthan by Chawla Polychem - Consideration of ToR [Proposal No. IA/RJ/IND3/415867/2023 ; File No. IA-J-11011/32/2023-IA-II(I)]

16th FEBRUARY, 2023 (THURSDAY) DAY-2

Time: 10:30 AM onwards

Agenda No.	Details of proposals
47.8	<p>Proposed Active Pharmaceutical Ingredient (API) and Chemical Intermediates Manufacturing Unit located at Plot No. A-5, D7 to D10 (Block A), Gajraula Industrial area site II, Gajraula, Tehsil - Dhanaura, Dist. Amroha, Uttar Pradesh by M/s Dykes & Dunes Enterprises Pvt. Ltd. - Consideration of ToR</p> <p>[Proposal No. IA/UP/IND3/287858/2022; File No. IA-J-11011/327/2022-IA-II(I)]</p>
47.9	<p>Proposed Production of Synthetic Amino Resin Manufacturing Unit of 500 MT/Annum located at RIICO Industrial Area, Chopanki, District Alwar, Rajasthan by M/s Saint Polymers - Consideration of ToR</p> <p>[Proposal No. IA/RJ/IND3/416211/2023; File No. IA-J-11011/33/2023-IA-II(I)]</p>
47.10	<p>Proposed production of Synthetic organic chemicals manufacturing unit having total capacity of 80TPM located at Plot No.: 702-703 & 1812-1813/2/9, GIDC Estate Panoli, Tal.: Ankleshwar, Dist.: Bharuch, Gujarat by M/s. J S Chemicals - Consideration of ToR</p> <p>[Proposal No. IA/GJ/IND3/414225/2023; File No. IA-J-11011/17/2023-IA-II(I)]</p>
47.11	<p>Expansion of Caustic Soda production capacity from 150 TPD to 250 TPD by bipolar membrane cell process in the existing Heavy Chemicals Division Plant (HCD Plant) located at 266/1 (Part), 268 / 1 (Part), 267 / 2 (Part) Manali village, Ambattur Taluk, Thiruvallur District, Tamil Nadu State by M/S Tamilnadu Petro products Limited - Consideration of EC</p> <p>[Proposal No. IA/TN/IND3/413044/2023; File No. J-11011/20/99-IA-II(I)]</p>
47.12	<p>Proposal for changes in wastes and utilities of synthetic organic chemical Unit with a production capacity of 624 TPM located at Plot No. 17 A, IDA, Phase-I Patancheru, Sangareddy District in Telangana by M/s. Virchow Petrochemical Private Limited - Consideration of EC</p> <p>[Proposal No. IA/TG/IND3/414428/2023; File No. IA-J-11011/42/2023-IA-II(I)]</p>
47.13	<p>Proposed synthetic organic chemical of production capacity 5780 TPM located at Block No. 68 Paiki 2, Village: Mamsa & Block No. 152, Village: Malpar, Taluka: Ghogha, District: Bhavnagar, Gujarat by M/s. Panila Chem Ltd. (Unit-2) - Consideration of EC</p> <p>[Proposal No. IA/GJ/IND3/413736/2023; File No. IA-J-11011/205/2022-IA-II(I)]</p>

Time: 10:30 AM onwards

Agenda No.	Details of proposals
47.14	<p>Expansion Project for Chemical Fertilizer Unit of production capacity from 2,03,091.6 TPA to 3,48,000 TPA located at Plot No. 801/15, 16, 17, 18, 19, 21, 22, Phase-III, GIDC Notified Industrial Estate, Vapi-396195, Tal: Pardi, Dist.: Valsad, Gujarat by M/s Aarti Fertilizers (A Division of Aarti Industries Ltd.) - Consideration of ToR</p> <p>[Proposal No. IA/GJ/IND3/414477/2023; File No. IA-J-11011/16/2023-IA-II(I)]</p>
47.15	<p>Proposed Establishment of Agrochemicals, Synthetic Organic chemicals, Fluorine based chemicals manufacturing facility of production capacity 264.615 TPD and Co-Generation Power Plant (6 MW) located at at Survey. No. 12/1, 12/2, 12/3, 13, 14/2, 14/3, 14/4, 14/5, 14/6, 14/7, 14/8, 14/9, 14/10, 14/11, 14/12, 14/13, 14/14, 14/15, 14/16, 14/17, 14/18, 14/19, 14/20, 19, 20, 21 (pt), 22 (pt), 26 (pt) & 27 (pt) (57.14 Acres), Naruva Village, Ranastalam Mandal, Srikakulam District, Andhra Pradesh by M/s. NACL Multichem Private Limited - Consideration of EC</p> <p>[Proposal No. IA/AP/IND3/412939/2023; File No. IA-J-11011/434/2021-IA-II(I)]</p>
47.16	<p>Proposed expansion of dye intermediates manufacturing unit in the premises from Vinyl sulphone ordinary about 100 MT/Month to Vinyl sulphone, para base vinyl sulphone, Dimethoxy Aniline Vinyl sulphone, para cresidine vinyl sulphone, Ortho anisidine base vinyl sulphone, Supho Vinyl sulphone, PMP vinyl sulphone and other VS totalling to 1000 MT/Month located at Plot No 122/1-2,128/1-2 GIDC Nandesari, Taluka & District Vadodara, Gujarat by Panoli Intermediates (India) Pvt Ltd- Consideration of ToR</p> <p>[Proposal No. IA/GJ/IND3/287393/2022; File No. IA-J-11011/299/2022-IA-II(I)]</p>
47.17	<p>Expansion proposal for various resins, esters and monomers within the existing facility of production capacity from 29393.40 TPM to 39006.40 TPM located at 808/E, 305/6 & 7, Survey No. 523, 434, 800, Phase-III, Notified Industrial Area, GIDC Vapi, Dist. Valsad, Gujarat by M/s Huber Group India Private Limited - Consideration of EC</p> <p>Proposal No. IA/GJ/IND3/415285/2023; File No. IA-J-11011/46/2023-IA-II(I)]</p>
47.18	<p>Expansion of Agrochemicals, Synthetic Organic Chemicals & their intermediates manufacturing plant located atPlot Nos. A-81 to A-84, B-22 to B-24, B-26 to B-29 & OS-4, Phase-I, MIDC Dombivli (East), Taluka Kalyan, District Thane, Maharashtra by M/s Gharda Chemicals Limited - Consideration of ToR</p> <p>[Proposal No. IA/MH/IND3/416681/2023; File No. IA-J-11011/55/2023-IA-II(I)]</p>
47.19	<p>Proposed synthetic organic chemical of production capacity 1900 TPM located at plot no. 188/2, 189, 190 & 191 GIDC Nandesari, Taluka & District Vadodara, Gujarat by M/s. Sodium Metal Pvt. Ltd. (Unit -II) - Consideration of ToR</p> <p>[Proposal No. IA/GJ/IND3/288757/2022; File No. IA-J-11011/319/2022-IA-II(I)]</p>

Any other item with permission of the Chair

Subject - Environmental Clearance/TOR- reg.**[Proposal No., F. No.]**

The Project Proponent and the accredited Consultant M/s., made a detailed presentation on the salient features of the project and informed that: (NABET Accreditation Number valid till)

- i. The proposal is for environmental clearance/ToR to the project at by M/s.
- ii. The project proposal was considered by the Expert Appraisal Committee (Industry-3) in its th meeting held during and recommended Terms of References (ToRs) for the Project. The ToR has been issued by Ministry vide letter No.J.....; dated (In case of EC Proposal)
- iii. All are listed at S.N. of Schedule of Environment Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).
- iv. Ministry had issued EC earlier vide letter no.; dated to the existing project.....in favour of M/s (**in Expansion case/if applicable**).
- v. Existing land area is m^2 , additional m^2 land will be used for proposed expansion.
- vi. Industry has already developed / will develop greenbelt in an area of 33 % i.e., m^2 out of total area of the project.
- vii. The estimated project cost is Rs..... including existing investment of Rs.....crores. Total capital cost earmarked towards environmental pollution control measures is Rs..... and the Recurring cost (operation and maintenance) will be about Rs per annum.
- viii. Total Employment will be persons as direct & persons indirect after expansion. Industry proposes to allocate Rs..... @ of % towards CER.
- ix. There are national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. River/ water body.....is flowing at a distance ofin direction.
- x. Ambient air quality monitoring was carried out at locations during to and the baseline data indicates the ranges of concentrations as: PM10 (...-..... $\mu g/m^3$), PM2.5 (...-..... $\mu g/m^3$), SO₂ (...-..... $\mu g/m^3$) and NO₂ (...-..... $\mu g/m^3$). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be $\mu g/m^3$, $\mu g/m^3$ and $\mu g/m^3$ with respect to PM10, SO_xandNO_x. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS). **Similarly, for Ground Water, Surface Water, Soil and Noise (In case of EC Proposal)**
- xi. Total water requirement is m³/day of which fresh water requirement of m³/day will be met from
- xii. Effluent of quantity will be treated through..... . The plant will be based on Zero Liquid discharge system (**if applicable**).
- xiii. Power requirement after expansion will be including existing KVA and will be met from State power distribution corporation limited (...SPDCL). Existing unit has DG sets ofcapacity, additionally DG sets are used as standby during power failure. Stack (height) will be provided as per CPCB norms to the proposed DG sets.
- xiv. Existing unit has TPH fired boiler. Additionally ----TPH fired boiler will be installed. Multi cyclone separator/ bag filter with a stack of height of m will be installed for controlling the particulate emissions within the statutory limit of 115 mg/Nm³ for the proposed boilers..
- xv. Details of Process emissions generation and its management.....
- xvi. Details of Solid waste/ Hazardous waste generation and its management.....
- xvii. Public Hearing for the proposed project has been conducted by the State Pollution Control Board onThe main issues raised during the public hearing are related to.....
- xviii. Details of Certified compliance report submitted by RO, MoEF&CC. (**In case of expansion Proposal**).
- xix. Status of Litigation Pending against the proposal, if any.
- xx. The details of products and capacity as under:

S. No	Product Details (complete name)	CAS NO.	Existing Quantity	Proposed Quantity	Total Quantity	Uses

S. No.	Activity	Amount allocated in Rs.
1. Total Cost		
2. EMP Cost		
3. Recurring cost		
4. CER Cost		
5. Land		
6. P. H. Commitment 7.Green belt		
8. Conservation plan		
9. Water approval		
10. Critical issues related to the Project, if any		

In case of Expansion proposal, the justification with supporting document that why the proposal is not a violation case needs to be submitted. The comparison of actual production vis a vis EC and CTO in a tabular format needs to be submitted.

The Undertaking from the PP that project is not a violation as per provision S. O 804 dated 14.3.2017 and SOP dated 7.7.2021.

The PP needs to submit an undertaking in pursuant to Ministry's O.M No. J-11013/41/2006-IA. II(I) dated 04.08.2009 and J-11013/41/2006--IA.II (I) dated 5.10.2011

The proposal is for amendment in the **Environmental Clearance** granted by the Ministry vide letter dated.....for the project.....located at.....in favour of M/s
.....

2. The project proponent has requested for amendment in the ToR/EC with the details are as under;

S. No.	Para of EC issued by MoEF&CC	Details as per the EC	To be revised/ read as	Justification/ reasons
1.				
2.				
3.				

Template for presentation before the EAC

Slide 1

Agenda No.	Name of the Project (Including Company's Name)
<ul style="list-style-type: none">➤ Date of Application Submission➤ ADS if any including date of reply➤ Date of Acceptance➤ New Project/Expansion Project➤ Product Mix or Change in Technology➤ Existing & Proposed Capacity➤ Forest Area/Wildlife/ESZ if any➤ Name of EIA Coordinator➤ CONSULTANT:<ul style="list-style-type: none">• Name• NABET Registration No.• Validity	<ul style="list-style-type: none">➤ Date of Public Hearing (P.H.) Conducted➤ Level of Officer conducted P.H.➤ Status of Forest Clearance (FC)➤ Applicability of Coastal Regulatory Zone (CRZ) if any➤ Whether located in Critically Polluted Area (CPA).➤ Certified Compliance submitted

Slide 2

Critical issues related to the proposed Project shall be elaborated by the Consultant/PP

Details of Earlier ECs with Past Productions Details

Details of Earlier CTOs with Past Productions Details

Details of Certified Compliance of Earlier EC/CTO

2

Slide 3

Introduction of The Project

- ◆ Brief Description about project
- ◆ Plot area
- ◆ % of green belt provided
- ◆ Land use change required
- ◆ Sources of Air(+Noise) Pollution
- ▶ Estimated Project Cost
- ▶ EMP Cost
- ▶ CER Cost
- ▶ Manpower
- ▶ Details of Environment Officers with qualifications

Slide 4

Introduction of The Project

- ◆ Water Consumption/day
- ◆ Source of water
- ◆ Permission from CGWA or any other agency
- ◆ Energy Consumption
- ◆ Kind of Fuel used
- ◆ Quantity of fuel used
- ◆ Waste Water Generated/day
- ◆ Treatment facility with capacity and current operational capacity
- ◆ Mode of discharge

Slide 5 Example

Location of Project and its Connectivity



LATITUDE	22°55'4.07"N
LONGITUDE	69°55'4.06"E
ELEVATION	14 m

Accessibi lity	Connectivity
Highway/ Road	SH-50 – 11 Km NW Road near project – within 1 Km
Railway Station Railway station: 9.4 Km SW
Airport Airport – 16.9 Km SW Airport – 28.8 Km NE



High Tide line	2.7 Km
Low Tide line	4.3 Km

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Slide 6 : Example

Topographical Map



<u>Particular</u>	<u>Distance and Direction</u>
Water bodies	
Sakra nadi	2.18 Km NW
Chhela nadi	3.10 Km SE
Mitti nadi	4.44 Km SW
Lerakh nadi	7.96 Km NE
High tide line	3.11 Km SE
Forest	
Bhadreshwar reserve forest	3.70 Km SW
Luni reserve forest	7.71 Km SW
Densely populated area	
Bhadreshwar	1.2 Km SW
Tuna	1.95 Km SE
Hatdi	2.5 Km NE
High Tide line	2.7 Km
Low Tide line	4.3 Km

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Slide 7

Project Site to be shown on Google Earth/DSS through KML/SHP File

Slide 8: Engineering layout of the Project site

Slide 9

BASELINE ENVIRONMENT DETAILS

1. AIR QUALITY (shall attach copy of NABL or MOEF approval)

Period of monitoring

- ▶ Table of Parameters Monitored as per TOR including Noise.
- ▶ Comparison of AQM data from Upstream & down stream Station.
- ▶ Minimum detectable Limit of various methods.
- ▶ Prediction of max. GLC(DG sets & from other sources)
- ▶ Incremental Pollution load.

Wind Rose / Impact

- ▶ Location specific Wind Rose be given based on which AQM station Setup.
- ▶ Map of AQM Station be given superimposed with respective monitored value + wind rose on one corner of the map.
- ▶ Impact of dust, smoke, gas ,fumes & odour

Slide 10

BASELINE ENVIRONMENT DETAILS 2.WATER (Surface + Ground) Environment

Date of monitoring

- ▶ Table of Parameters Monitored as per TOR/CPCB
- ▶ Comparison of data from Upstream & down stream sampling Station
- ▶ Minimum detectable Limit of various methods.
- ▶ Incremental pollution Load from waste water generation.

Sampling Location Map

- ◆ Map of sampling area with specific location of collection. Superimposed with respective monitored value
- ◆ Attach copy of NABL or MOEF approval.
- ◆ Fresh water reduction due to recycling/reuse of wastewater.

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Slide 11

BASELINE ENVIRONMENT DETAILS 3. Soil and Biological Environment

Soil

- ◆ Location Map of Sampling points
- ◆ Sampling result
- ◆ Shall describe quality of soil as per standard (IARC) method

Biological

- ◆ Map of study area be attached.
- ◆ Biodiversity index with its interpretation be given

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Slide 12

BASELINE ENVIRONMENT DETAILS 4.Socio Economic Environment

Areas visited & date

- ▶ Report on collection of Primary & Secondary Data
- ▶ Identification of social requirements based on interview & discussions with the resident of the area.

Social Action Plan

- ◆ Development of social action plan
- ◆ Time frame for completion
- ◆ Estimated budget to be spent year wise(CER)

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Slide 13

BASELINE ENVIRONMENT DETAILS **5.RISK STUDIES & DISASTER MANAGEMENT**

Hazardous Substances

- ▶ List of Hazardous Substances and quantity stored.
- ▶ Assumptions and Worst case scenario.
- ▶ Risk assessment be done by 3-D (CFD)Capable Software.

Risk Assessment

- ▶ Prevailing Risk from existing facilities
- ▶ Perceived risk from the proposed facilities.
- ▶ Societal Risk
- ▶ Cumulative risk
- ▶ Details of Onsite mitigation measures/ DMP

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Slide 14

Details of National Park/Sanctuary/Forest Land/Schedule-I Species/ESZ Notification/No Development Zone If any

Slide 15

Process Flow Chart

Slide 16

Water Requirement and its approval status
Water Balance

Slide 17

Waste Water Treatment Technology / Details of ZLD
Details of STP and how treated water is reused

Slide 18

Product wise Raw Material consumption

Slide 19

Details of Green Belt Development Plan

Slide 20

Transportation Plan –Study as per IRC Guidelines

Slide 21

Budget for CER as per Ministry's Circular alongwith Activities and its timelines for commitments

Environment Management Plan

Shall cover details on following pollution control measures linking with baseline studies ,raw material and products with involved risk :

- ✦ AIR Pollution Control measures including devices proposed with capacities & cost.
- ✦ Water and Waste Water treatment and disposal ,if any
- ✦ Solid Waste / Sludge Disposal if any .
- ✦ % reduction due to proposed devices
- ✦ Details of Environment Personnel (Environment Engineers and Environment Scientist) posted in Environment Management Cell.

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Slide 23 : TOR wise compliance presentation

Point Wise Standard TOR Compliance

TOR Point-1: Executive Summary of the Project.

Reply:

TOR Point-2: Introduction i) Details of the EIA consultant including NABET accreditation ii) Information about the project proponent iii) Importance and benefits of the project

Reply:

And so on.....

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Hazardous Waste Management and Disposal

- List of hazardous waste generation and quantity.
- Disposal- In-house or CHWTDF
- Agreement for hazardous waste management and disposal

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Slide 25

PUBLIC CONSULTATION

- Public consultation for this project was conducted on at 11:00 A.M. atwhich was presided over by theattended by officers of GPCB, Gandhinagar.
- The public hearing was attended by
- Requisite publicity through local newspapers/ media i.e.Dated was given 30 days in advance of the date; .
- The project proponent has given commitment to fulfil the environmental and social responsibility for development of community of nearby villages.

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Slide 26

PUBLIC HEARING MINUTES ITS ACTION PLAN WITH BUDGET ,TIMELINE INCLUDING DISPLY OF PH VIEDEO

S.No.	Issues raised by the Public	Points Represented	Response/ Commitment of Project Proponents along with budget and timelines
1	Mr X...		
2	Mr Y...		
3	Mr Z...		

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Slide 27: Public Hearing Photographs

Slide 28: Details of study of Impact assessment of ground water if ground water requirement is more

than 100 KLD in OCS area (Over exploited, semi critical, critical area) permission to groundwater withdrawal should be based on study of Impact assessment of ground water withdrawal and be a part of EIA as per Hon'ble NGT direction in OA N.176 /2015 dated 20.7.2020.

Slide 29: In case of pesticide projects, life cycle analysis study, if any needs to be included in the presentation for appraisal of EAC.

Slide 30: The presentation shall also include details of carbon foot prints and carbon sequestration study w.r.t. proposed project needs to spell out. Proposed mitigation measures also needs to be included in the PPT and submitted for further appraisal of the EAC.

Slide 31: Other details of Project and critical issues if any.

List of member of Expert Appraisal Committee in respect of Industry-3 Sector

S. No.	Name of Members	Designation
1.	Prof. (Dr.) A.B. Pandit Vice Chancellor, Institute of Chemical Technology, Mumbai, Sir JC Bose Fellow, Government of India Email: ab.pandit@ictmumbai.edu.in	Chairman
2.	Dr. Ashok Kumar Saxena, IFS Bungalow No. 38, Sector-8A, Gandhinagar, Gujarat – 382008 E-mail: ashoksaxena1159@gmail.com	Member
3.	Prof. (Dr.) S. N. Upadhyay Research Professor (Hon.), Department of Chemical Engineering & Technology, Indian Institute of Technology (Banaras Hindu University), Varanasi E-mail: snupadhyay.che@iitbhu.ac.in	Member
4.	Prof. (Dr.) Suneet Dwivedi, Professor in K Banerjee Centre of Atmospheric and Ocean Studies, University of Allahabad, Allahabad - 02 Uttar Pradesh E-mail: dwivedisuneet@rediffmail.com /suneetdwivedi@gmail.com	Member
5.	Shri Santosh Gondhalkar ‘Shree’ Apartment, Flat 401, Plot No. 22, Tukaram Society, Santnagar, Pune- 411009 E-mail: santoshgo@gmail.com	Member
6.	Prof. (Dr.) Pradeep Kumar Mishra Department of Chemical Engineering & Technology, Indian Institute of Technology (BHU) Varanasi, Varanasi - 221005 E-mail: pkmishra.che@itbhu.ac.in / drpkm18@gmail.com	Member
7.	Prof. (Dr.) Vijay S. Moholkar Professor in Department of Chemical Engineering, Block-K (Academic complex), Room No. 111, India Institute of Technology Gawahati, Gawahati – 781039 E-mail: vmoholkar@iitg.ac.in	Member
8.	Dr. Suresh Panwar House No.4, Gayateri Green Society, NH 58 Bypass, Kankerkhara, Meerut, Uttar Pradesh Email- spcpri@gmail.com	Member
9.	Shri Tukaram M Karne "SHREYAS ORNATE" F-1, 95-Tulasibagwale Colony, Sahakarnagar-2, PUNE: 411 009, Maharashtra E-mail: tmkarne@gmail.com	Member

10.	Shri Dinabandhu Gouda Additional Director, DH IPC-I, Room No. 309A, Third Floor, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi – 110032 E-mail: dinabandhu.cpcb@nic.in	Member
11.	Shri Sanjay Bisht Scientist 'E', Room No. 517, Office of the Director General of Meteorology, Indian Meteorological Department, Musam Bhawan, Lodhi Road, New Delhi -110003 E-mail: sanjay.bist@imd.gov.in	Member
12.	Dr. Rakesh Kushwaha, Sr. Scientist, Central Ground Water Authority 18/11, Jamnagar House, Mansingh Road New Delhi - 110011 E-mail ID- kushwaha-cgwb@gov.in	Member
13.	Dr. M. Ramesh Scientist 'E' Ministry of Environment, Forest and Climate Change Indira Paryavaran Bhawan, Room No. V-203, Vayu Wing, Jor Bagh Road, New Delhi-110003 Tel. 011-20819338 E-mail: ramesh.motipalli@nic.in	Member Secretary

Quick User Manual to use Desktop Videoconference

NIC, MoEFCC will moderate the Video Conferencing meeting. The Guidelines related to connecting VC is annexed herewith. PP will be ready before 10 minutes of the slot allowed to them. If any problem faced please contact **Mr Kamal, Moderator, NIC (Mobile No. 8800225087, email- support-ipb@nic.in)**.

- PP/Consultant who want to make presentation during EAC, they have to download/install VidyoApp on desktop/Laptop.
- A web Link will be shared by Member Secretary/Moderator before the EAC meeting. It is requested to be ready before 10 minutes as per slot provided to you.
- Joining from Mobile devices: Click on the link on your mobile device. It will asked you to join the conference. It may asked installed Mobile App (VidyoMobile). Installed the VidyoMobile and click on link to join VC.
- Please see the control menu to manage the conference. Keep your microphone muted and unmute only when you speak. You can chat or share desktop screen.
- User should have minimum Internet connection of 2 Mbps from any service provider (Broadband/4G etc)
- A Desktop/Laptop working in windows (Recommended).
- Wired Earphone/Headphones with Microphone (Strongly recommended) or External USB camera & Speaker cum microphone.
