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

Agenda of Expert Appraisal Committee

Meeting ID : IA/IND2/13589/29/02/2024
Meeting Venue : Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003
Meeting Type : Video Conference
Agenda Generation Date : 26-02-2024

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	29 Feb 2024	10:30 AM	17:30 PM

Date of Meeting : 29-02-2024

S.No	Proposal No.	File No.	Proposal Name	Company Name	Location	Proposal Type
1	IA/MH/IND2/425783/2023	J-11011/372/2016-IA-II(I)	Proposed expansion of existing molasses based Distillery Unit from 90 KLPD to 180 KLPD (Additional 90 KLPD under Ethanol Blending Programme) by M/s Athani Sugars Limited at Gat No. 976, 977, 986, 987, 988, 989, 991, 993, 998 & 990 Village Sonawade, Taluka-Shahuwadi, District-Kolhapur Maharashtra 416213)	ATHANI SUGAR LIMITED	Tehsil: District: State: Maharashtra	EC

Any Other Item with Permission of Chairman:

S.No	Proposal No.	File No.	Proposal Name	Company Name	Location	Remarks

List of EAC Member :

S.No	Members Name	Designation	Email_ID
1	Shri S C Mann	Chairman	mannsatishchander@gmail.com
2	Sh. Y.V. Rami Reddy	Member	dryvrsvu@gmail.com
3	Dr J S Sharma	Member	sharmajswarup@hotmail.com
4	Prof. (Dr.) Dilip Majumdar	Member	dilip57du@dibru.ac.in
5	Dr. Sanjeev Chaudhari	Member	sanjeev@iitb.ac.in
6	Dr. Onkar Nath Tiwari	Member	ont359@gmail.com
7	Shri. J.S. Kamyotra	Member	kamyotra@yahoo.co.in
8	Dr. Rahul Rameshrao Mungikar	Member	rahul.mungikar76@gmail.com
9	Dr. Seshagiri Rao Ambati	Member	raoseshu@gmail.com
10	Shri. Sanjay V Patil	Member	sv.patil@vsisugar.org.in
11	Sh. Ashok Kumar Patre	Member	ashokpatre-cgwb@gov.in
12	Dr. Siddhartha Singh	Member	siddhartha.singh74@imd.gov.in
13	Dr. Vimal Kumar Hatwal	Member Secretary	vk.hatwal@gov.in

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(IA DIVISION-INDUSTRY-2SECTOR)
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Instructions: Project Proponents are requested to strictly follow the following instructions:

1. This is to inform that the Expert Appraisal Committee meeting (Industry -2 Sector) is scheduled to be held on **29th February, 2024** 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 27.02.2024 positively by e-mail. Document should not be shared through Google Drive as many members are not able to access it.**

2. It is requested that the Project Proponent or his/her authorized representative should **participate in the presentation meeting of EAC 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.

3. NIC, MoEFCC will moderate the Video Conferencing meeting. The Guidelines related to connecting VC is annexed herewith. PP will be ready before one (01) hour of the slot allowed to them. If case of any connectivity problem, please contact Mr. Kamal, Moderator, NIC (Mobile No. 8800225087, email- support-ipb@nic.in). PP is requested to join the meeting with Agenda No. [(for ex. 4.3 (Name of PP) & Name of Consultant]

4. The Project Proponents are requested to circulate the documents either in pen drive or by e-mail whichever is convenient (**bulky EIA/EMP reports may be sent in pen drive mentioning the agenda numbers)** 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 earliest well in advance before the meeting.**

5. All the documents of the presentation material should be legible. In case the members of the **Expert Appraisal Committee do not receive the proposals, the Committee will not consider the project.**

6. The Project Proponent or his or her authorized representative /consultant should avoid delivery of documents by hand and seeking meeting with Chairman/Members. Members are also requested to discourage/ avoid the meeting with the PP/ consultants.

7. Please indicate the item number of the Agenda while circulating the documents.

8. The Project Proponents are requested to send one set of complete documents to the Ministry by e-mail. Documents shall reach in the Ministry by 25.02.2024.

9. Kindly prepare/make the presentation before the EAC based on the template provided at Annexure VI. Copy of presentation and brief shall be forwarded to the EAC/Ministry immediately or latest by 25.02.2024.

10. The project proponents applied their on-line application should submit the Form-2, Pre-feasibility report, approval from concerned department/states, compliance of existing EC, Environment Impact Assessment (EIA/EMP) Report, public hearing report, **Risk Assessment,** queries subsequently raised by the Ministry, if any, and your para-

wise comments thereto etc., in accordance with Environment Impact Assessment Notification, 2006 are required to be forwarded to the Chairman/Members of the Expert Appraisal Committee (Industry-2) including details of the court matters/Orders of the Court pertaining to the project, if any. Accordingly, I request you **to forward a copy of each of these documents - to the Chairman/members of the Expert Appraisal Committee and Ministry, at earliest or latest by 25.02.2024 [soft copy]**. List of Committee Members is attached herewith.

11. 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.

12. 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. The status of compliance of the conditions stipulated in the EC as highlighted in the report(s) will be discussed by the EAC during appraisal of the project.

13. THE PROJECT PROPONENTS SHALL ENSURE THAT THE REPORTS / DOCUMENTS UPLOADED IN THE WEBSITE OF THE MINISTRY, CIRCULATED TO THE EAC MEMBERS ARE THE SAME. IN CASE OF DISCREPANCY, THE PROJECT WILL NOT BE CONSIDERED.

14. The KML/Shape files should be emailed on the below mentioned email **addresses immediately or before 25.02.2024.**

15. 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.

16. 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

17. Kindly send a brief write up/ Executive Summary of 3-4 pages **(in Word Format only)**as per following format **(Annexure I to Annexure V)to the EAC secretariat. THE INFORMATION SUBMITTED IN BRIEF WRITE UP/ EXECUTIVE SUMMARY SHOULDMATCH DATA/FIGURES IN EIA/EMP AND FORM-2 SUBMITTED. IF ANY DISCREPANCY IS FOUND, STRICT ACTIONS WILL BE IMPLEMENTED THEREOF. Information should be sent in word format only on following e-mails including Members of the EAC immediately or latest by 25.02.2024. Document should not be shared through Google Drive as many members are not able to access it.**

vk.hatwal@gov.in, m.phulwaria@gov.in, kanaka.teja@gov.in

sd/-

(Dr. Vimal Kumar Hatwal)
Additional Director, MoEFCC
Member Secretary (IND-2)

Note: The items listed for Environmental Clearances will be taken up for appraisal only on fulfilment of relevant instruction given

Annexure – I

For Greenfield Grain based ethanol projects under B2 category

Subject: ……- Environmental Clearance- reg.

[Proposal NO……, F.NO……]

1. The Project Proponent and the accredited Consultant M/s. ---------- (NABET certificate no. ------- and validity --------) made a detailed presentation on the salient features of the project and informed that the proposal is for environmental clearance to the project for ------ KLPD Grain based Ethanol Plant &------- MW Co-generation power plant (fuel to be used) located atVillage -------, Tehsil ---------, District -------, State ---------- by M/s. ----------.

2. As per the MoEF&CC Notification S.O. 2339(E), dated 16th June, 2021, a special provision in the EIA Notification, 2006-(Schedule 5 (ga), Category B2) is made, wherein for all applications made for Grain based distilleries with Zero Liquid Discharge producing ethanol; solely to be used for Ethanol Blended Petrol Programme of the Government of India shall be considered under B2 Category and appraised at Central Level by Expert Appraisal Committee (EAC) with condition that the project proponent shall file a notarized affidavit that ethanol produced from proposed project shall be used completely for EBP Programme.

3. **The details of products and capacity as under:**

S. No.	Name of unit	Name of the product/by-product	Production capacity
1	Distillery (-------Raw material)	Ethanol	------KLPD
2	Co-generation power plant	Power	------ MW
3	DWGS dryer	DDGS	------ TPD
4	Fermentation unit	Carbon di-oxide	-------- TPD

4. Standard ToR and Public Hearing is not applicable as the project falls under category B2 as per OM dated 16th June, 2021.

5. Status of Litigation Pending against the proposal, if any.

6. Total land area required is ----- hectares. Greenbelt will be developed in total area of ----- hectares i.e., ------% of total project area. The estimated project cost is Rs. ------ Crores. Capital cost of EMP would be Rs. ----- Crores and recurring cost for EMP would be Rs. ----- Crores per annum. Industry proposes to allocate Rs. ------ Crores towards Extended EMP (Corporate Environment Responsibility). Total Employment will be ------ persons as direct & indirect.

7. There are ----- national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance. Reserve forests/protected forests: --------- at a distance of -----km in ---------- direction. The --------- national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. is at a distance of ------ Km in ------ direction from project site. ESZ for same is finalized vide Notification No. -------- dated --------. The Eco-sensitive Zone is spread over an area of --------- square kilometres with an extent varying from ----- kilometres to ------ kilometres around the boundary of ----------. The project site is located ----- Km from notified ESZ. NBWL application has been submitted dated ---- (if applicable). Conservation plan for schedule I species has been submitted to ---------- dated -------- and a budget of -------- Crores has been earmarked for the same. Water bodies: ------- is at a distance of ------ Km in ----- direction.River ------ is at a distance of ----- for which NOC has been obtained from State Irrigation Department vide letter no. ------ dated ------- stating that ---------- (If applicable).

8. AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be ----µg/m^3, ---µg/m^3, ----µg/$m^3$and --- µg/m^3 with respect to PM10, PM2.5, SO2 and NOX. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

9. Total fresh water requirement will be ----CMD which will be met from ---------- (name of river, if any). Application has been submitted to ---------- dated --------- **or** NOC has been obtained by ---------- vide letter no. ----- dated ---------- and validity ------ .Effluent (Condensate/spent lees/blowdown etc.) of -------CMD quantity will be treated through Condensate Polishing Unit/Effluent Treatment Plant of capacity -------CMD. Raw stillage (------- KLPD :quantity of raw spent wash from distillation) will be sent to decanter followed by MEE and dryer to produce DDGS.STP of capacity -------KLPDwill be installed to treat sewage generated from factory premises. The plant will be based on Zero Liquid discharge system and no effluent/treated water will be discharged outside factory premises.

10. Power requirement will be ----- MW and will be met from proposed ----- MW co-generation power plant/state grid. NOC for power requirement from State Grid has been obtained vide letter no.----- dated --------. ---- TPH -------- fired boiler will be installed. APCE ------ with a stack height of ------ m will be installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm^3 for the proposed boiler. ------kVA DG set will be used as standby during power failure and stack height (------ m) will be provided as per CPCB norms to the proposed DG sets.

11. **Details of Process emissions generation and its management**

- APCE ----- with a stack height of ------ meters will be installed for controlling the particulate emissions.
- Online Continuous Emission Monitoring System will be installed with the stack and data will be transmitted to CPCB/SPCB servers.
- CO2 (---- TPD) generated during the fermentation process will be collected by utilizing CO2 scrubbers and it shall be sold to authorized vendors/collected in proposed bottling plant.

12. **Details of solid waste/Hazardous waste generation and its management**

- DDGS (Distilled Dried Grains Stillage) (----- TPD) will be sold as cattle feed / fish feed / prawn feed.
- Boiler ash (------ TPD) will be used for brick manufacturing in proposed brick

manufacturing plant inside plant premises/supplied to brick manufacturers/ given to farmers to be used as manure.

- Used oil (------ Kilolitres per annum) will be sold to authorized recyclers.
- CPU sludge (---- TPD) and STP Sludge (----- TPD) will be used as manure.

13. As per Notification S.O 2339(E), dated 16th June, 2021, PP has submitted self-certification in the form of notarized affidavit declaring that the proposed capacity of ------ KLPD will be used for manufacturing fuel ethanol only.

14. Total land of ------ Hectares is under possession of the company and land use conversion has been completed vide letter no.------ dated --------/ land use conversion application has been submitted to ---------- dated ---------.

Capital cost and recurring cost of EMP are given below:

Sl. No	Description	Capital Cost in Crores	Recurring Cost in Crores /Annum
1.			
2.			
	Grand Total		

Details of CER with proposed activities and budgetary allocation:

Sl. No	Proposed activity	Proposed Budget
1.		
2.		
	Grand Total	

Annexure – II

For Brownfield Grain based/molasses based ethanol & sugar mill projects under B2 category (as applicable)

Subject: .....- Environmental Clearance- reg.

[Proposal NO....., F.NO.....]

1. The Project Proponent and the accredited Consultant M/s. ---------- (NABET certificate no. ------and validity --------) made a detailed presentation on the salient features of the project and informed that the proposal is for environmental clearance to the project for expansion of existing distillery unit from ------ KLPD to --------- KLPD, sugar mill from ------ TCD to ------- TCD&co-generation power plant for sugar mill/ distillery from ------- MW to ----- MW (fuel to be used) located at Village -------, Tehsil ---------, District -------, State ---------- by M/s. ----------.

2. As per the MoEF&CC Notification S.O. 2339(E), dated 16th June, 2021, a special provision in the EIA Notification, 2006-(Schedule 5 (ga), Category B2) is made, wherein for all applications made for Grain based distilleries with Zero Liquid Discharge producing ethanol; solely to be used for Ethanol Blended Petrol Programme of the Government of India shall be considered under B2 Category and appraised at Central Level by Expert Appraisal Committee (EAC) with condition that the project proponent shall file a notarized affidavit that ethanol produced from proposed project shall be used completely for EBP Programme

   or

   As per EIA Notification 2006 (Schedule 5 (g) Category A); however, as per in the MoEFCC Notification S.O. 345(E), dated the 17th January, 2019, notification number S.O. 750(E), dated the 17th February, 2020, S.O. 980 (E)dated 02nd March, 2021 & S. No. 2339(E) 16th June, 2021, a special provision in the EIA Notification, 2006 "Expansion of sugar manufacturing units or distilleries for production of ethanol, having Prior Environment Clearance (EC) for existing unit, to be used completely for Ethanol Blended Petrol (EBP) Programme only, as per self-certification in form of an affidavit by the Project Proponent, shall be appraised as category 'B2' projects.

3. **The details of products and capacity as under:**

S. No.	Name of unit	Name of the product/by-product	Existing Production capacity	Additional production capacity	Total production capacity
1	Distillery (------- Raw material)	Ethanol	------KLPD		
2	Co-generation power plant for distillery/sugar mill	Power	------ MW		
3	Sugar mill	Sugar	-------- TCD		

3	DWGS dryer	DDGS	------ TPD		
4	Fermentation unit	Carbon di-oxide	-------- TPD		
5	ATFD	Conc. spent wash powder	--------- TPD		
6	Bio-composting unit	Bio-compost	--------- TPD		

4. Ministry/SEIAA has issued Environmental Clearance to the existing Industry for a capacity of ---------- vide File No. ---------- dated ----------. Certified Compliance report of existing EC has been obtained from Integrated Regional Office, MoEFCC, -------- vide File no- ---------- dated ----------. Action Taken Report has been submitted to IRO, MOEFCC, --------- dated ---------- for ----- partial compliances and ------- non-compliances **or** Certified Action Taken/Closure Report has been obtained by IRO, MOEFCC, --------- dated ----------.

OR

Existing industry is operational on the basis of Consent To Operate because ----------. Hence, Environmental Clearance is not applicable. Latest CTO (air and water) has been issued on ---------- and is valid till ----------. Certified CTO compliance report has been issued dated --------- from RO, SPCB.

5. StandardToR and public Hearing conduction is not applicable as the project falls under category B2 as per OM dated 16th June, 2021.

6. Status of Litigation Pending against the proposal, if any.

7. Total plant area after expansion will be ------ Ha (existing plant area - ----- Hectares and additional land required - ----- Hectares for proposed capacity) which is under possession of the company and converted to industrial use/ No additional land will be acquired for the expansion project as the same will be done within existing plant premises. Out of the total plant area ------ Hectares i.e. 33% of the total plant area has already been developed as greenbelt & plantation and the same will be maintained/ will be developed under greenbelt & plantation in and around plant premises. The estimated project cost is Rs. ------ Crores. Capital cost of EMP would be Rs. ------ Crores and recurring cost for EMP would be Rs. ------ Crores per annum. Industry proposes to allocate Rs. ------ Crores towards extended EMP (Corporate Environment Responsibility). Total Employment after expansion will be -------persons as direct & indirect.

8. There are ----- national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance. Reserve forests/protected forests: --------- at a distance of -----km in ---------- direction. The --------- national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. is at a distance of ------ Km in ------ direction from project site. ESZ for same is finalized vide Notification No. -------- dated --------. The Eco-sensitive Zone is spread over an area of --------- square kilometres with an extent varying from ----- kilometres to ------ kilometres around the boundary of ----------. The project site is located ----- Km from notified ESZ. NBWL application has been submitted dated ---- (if

applicable). Conservation plan for schedule I species has been submitted to ---------- dated -------- and a budget of -------- Crores has been earmarked for the same. Water bodies: ------- is at a distance of ------ Km in ----- direction. River ------ is at a distance of ----- for which NOC has been obtained from State Irrigation Department vide letter no. ------ dated ------- stating that ---------- (If applicable).

9. AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be ---- µg/m^3, --- µg/m^3, ---- µg/m^3 and --- µg/m^3 with respect to PM10, PM2.5, SO2 and NOX. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

10. Total fresh water requirement after expansion will be ---- CMD(sugar mill ------- CMD and distillery -------- CMD) which will be met from ---------- (name of river, if any). Application has been submitted to ---------- dated --------- **or** NOC has been obtained by ---------- vide letter no. ----- dated ---------- and validity -------.Existing effluent generation is ------ CMD from sugar mill/distillery which is treated through Condensate Polishing Unit (capacity in CMD). Proposed effluent generation will be ----- CMDfrom sugar mill/distillery which will be treated through proposed/upgraded Condensate Polishing Unit (capacity in CMD). In molasses based operation, spent wash generated from the analyser column during distillation will be concentrated in Multi Effect Evaporator and concentrated spent wash will be burnt in incineration boiler/concentrated spent wash will be bio-methanated and converted into powder form by spray dryer (ATFD) technology/ concentrated spent wash will be treated through bio-composting and bio-compost will be sold to farmers in packed form. In grain based operation, raw stillage (------- KLPD :quantity of raw spent wash from distillation) will be sent to decanter followed by MEE followed by dryer to produce DDGS. Domestic waste water is being/will be treated in STPof capacity ----- KLPD. The plant is being/will be based on Zero Liquid discharge system and treated effluent/water is being/will not be discharged outside the factory premises.

11. Total power requirement of distillery/ sugar mill after expansion will be ----- MW which will be sourced from existing/proposed ------ MW co-generation power plant in sugar mill/distillery. NOC for power requirement from State Grid has been obtained vide letter no.----- dated ---------. Existing sugar mill/distillery has ------ TPH --------- fired boiler. ---- TPH -------- fired boiler will be installed in sugar mill/distillery. APCE ------- with a stack of height of ----- m is installed with the existing boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm3. APCE ------ with a stack height of ------ m will be installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm^3 for the proposed boiler. Industry has------ KVA DG set which will be used as standby during power failure and stack height (------ m) will be provided as per CPCB norms to the proposed DG sets.

12. **Details of Process emissions generation and its management**

- APCE ------- with a stack height of ----- m is installed with the existing boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm3. APCE ------ with a stack of height of ------ m will be installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm^3 for the proposed boiler.
- Online Continuous Emission Monitoring System is being/will be installed with the stack and data will be transmitted to CPCB/SPCB servers.
- CO2 (---- TPD) generated during the fermentation process is being/will be collected by utilizing CO2 scrubbers and sold to authorized vendors/collected in proposed bottling

plant.

13. **Details of solid waste/Hazardous waste generation and its management**

- Concentrated spent wash (---- m3/day) is being/will be burnt in incineration boiler/ will be converted to powder by ATFD/spray dryer/ will be converted to bio-compost to be used as manure.
- DDGS (Distilled Dried Grains Stillage) (----- TPD) is being/will be sold as cattle feed / fish feed / prawn feed.
- Boiler ash (------ TPD) is being/will be used for brick manufacturing in proposed brick manufacturing plant inside plant premises/supplied to brick manufacturers/ given to farmers to be used as manure.
- Used oil (------ Kilolitres per annum) is being/will be sold to authorized recyclers.
- CPU sludge (---- TPD) and STP Sludge (----- TPD) is being/will be used as manure.
- Press mud (------ TPD) will be used as manure in sugar mill.
- Bagasse (-------- TPD) will be used as -------- in sugar mill.
- Molasses (---------- TPD) will be used as --------- in sugar mill.

14. As per Notification S.O 2339(E), dated 16th June, 2021, PP has submitted self-certification in the form of notarized affidavit declaring that the proposed expansion capacity of ------- KLPD & ---------- TCD will be used for manufacturing fuel ethanol only.

Capital cost and recurring cost of EMP are given below:

Sl. No	Description	Capital Cost in Crores	Recurring Cost in Crores /Annum
1.			
2.			
	Grand Total		

Details of CER with proposed activities and budgetary allocation:

Sl. No	Proposed activity	Proposed Budget
1.		
2.		
	Grand Total	

Annexure – III

All other projects excludingB2 projects

Subject: ……..- Environmental Clearance- reg.

[Proposal NO……., F.NO……..]

1. TheProject Proponent and the accredited Consultant M/s. .....(NABET certificate no. -------and validity --------) made a detailed presentation on the salient features of the project and informed that the proposal is for environmental clearanceto the project ……. located at Village ---------, Tehsil --------, District --------, State ------- by M/s. ----------.

2. 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). **(If integrated project provide S.N. and category of each unit and reason for considering at Central level)**

3. The details of products and capacity as under:

S. No	Unit	Product/by-product	Existing Quantity	Proposed Quantity	Total Quantity

Note : Data shall be same as Form -2 and EIA/EMP

4. Ministry/SEIAA has issued Environmental Clearance to the existing capacity ---------- vide File No. ---------- dated ----------. Certified Compliance report of existing EC has been obtained from Integrated Regional Office, MoEFCC, -------- vide File no- ---------- dated ----------. Action Taken Report has been submitted to IRO, MOEFCC, --------- dated ---------- for ----- partial compliances and ------- non-compliances **or** Certified Action Taken Report has been obtained by IRO, MOEFCC, --------- dated ----------.

OR

Existing industry is operational on the basis of Consent To Operate because ----------. Thus Environmental Clearance was not applicable. Latest CTO (air and water) has been issued on ---------- and is valid till ----------. Certified CTO compliance report has been issued dated --------- from RO, SPCB.

5. The project proposal was considered by the Expert Appraisal Committee (Industry-2) in its…..th meeting held during …….. and recommended Terms of References (ToRs) for the Project. The ToR has been issued by Ministry vide F. no. ……; dated **……**

OR

Standard Terms of Reference have been obtained vide F. No. -------dated ----------.

6. Status of Litigation Pending against the proposal, if any.

7. Public Hearing for the proposed project had been conducted by the -------- Pollution Control Board on ---------- at ---------- chaired by ----------. The main issues raised during the public hearing and their action plan:

Issue in brief	Action plan in brief	Budget allocated and timeline

(All major issues to be covered as already submitted in EIA Report and PH proceedings)

8. Total land area required is ----- hectares. Greenbelt will be developed in total area of ----- hectares i.e., ------% of total project area. The estimated project cost is Rs. ------ Crores. Capital cost of EMP would be Rs. ----- Crores and recurring cost for EMP would be Rs. ----- Crores per annum. Industry proposes to allocate Rs. ------ Crores towards Extended EMP (Corporate Environment Responsibility). Total Employment will be ------ persons as direct & indirect.

OR

Total plant area after expansion will be ------ Ha (existing plant area - ----- Hectares and additional land required - ----- Hectares for proposed capacity) which is under possession of the company and converted to industrial use/ No additional land will be acquired for the expansion project as the same will be done within existing plant premises. Out of the total plant area ------ Hectares i.e. 33% of the total plant area has already been developed as greenbelt & plantation and the same will be maintained/ will be developed under greenbelt & plantation in and around plant premises. The estimated project cost is Rs. ------ Crores. Capital cost of EMP would be Rs. ------ Crores and recurring cost for EMP would be Rs. ------ Crores per annum. Industry proposes to allocate Rs. ------ Crores towards extended EMP (Corporate Environment Responsibility). Total Employment after expansion will be -------persons as direct & indirect.

9. There are ----- national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance. Reserve forests/protected forests: --------- at a distance of -----km in ---------- direction. The --------- national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. is at a distance of ------ Km in ------ direction from project site. ESZ for same is finalized vide Notification No. -------- dated --------. The Eco-sensitive Zone is spread over an area of --------- square kilometres with an extent varying from ----- kilometres to ------ kilometres around the boundary of ----------. The project site is located ----- Km from notified ESZ. NBWL application has been submitted dated ---- (if applicable). Conservation plan for schedule I species has been submitted to ---------- dated -------- and a budget of -------- Crores has been earmarked for the same. Water bodies: ------- is at a distance of ------ Km in ----- direction. River ------ is at a distance of ----- for which NOC has been obtained from State Irrigation Department vide letter no. ------ dated ------- stating that ---------- (If applicable).

10. Ambient air quality monitoring was carried out at …… locations during …… to ……..and the baseline data indicates the ranges of concentrations as: PM10 (…-….µg/m3), PM2.5 (…-….µg/m3), SO2 (…-….µg/m3) and NO2 (…-….µg/m3).AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be ---- µg/m^3, --- µg/m^3, ---- µg/m^3 and --- µg/m^3 with respect to PM10, PM2.5, SO2 and NOX. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

11. Total fresh water requirement will be ---- CMD which will be met from ---------- (name of river, if any). Application has been submitted to ---------- dated --------- **or** NOC has been obtained by ---------- vide letter no. ----- dated --------- and validity ------ .Effluent of ------- CMD quantity will be treated through Condensate Polishing Unit/Effluent Treatment Plant of capacity ---------- KLPD. STP of capacity ---------- KLPD will be installed to treat sewage generated from factory premises. The plant will be based on Zero Liquid discharge system and no effluent/treated water will be discharged outside factory premises.

OR

Total fresh water requirement after expansion will be ---- CMD which will be met from ---------- (name of river, if any). Application has been submitted to ---------- dated --------- **or** NOC has been obtained by ---------- vide letter no. ----- dated ----------. Existing effluent generation is ------ CMD which is treated through Condensate Polishing Unit of capacity -----CMD. Proposed effluent generation will be ----- CMD which will be treated through proposed/upgraded Condensate Polishing Unit of capacity -----CMD). Domestic waste water is being/will be treated in STP (Capacity of STP in KLD/MLD). The plant is being/will be based on Zero Liquid discharge system and treated effluent/water is being/will not be discharged outside the factory premises.

12. Power requirement will be ----- MW and will be met from proposed ----- MW co-generation power plant/state grid. NOC for power requirement from State Grid has been obtained vide letter no.----- dated ---------. ---- TPH -------- fired boiler will be installed. APCE ------ with a stack of height of ------ m will be installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm^3 for the proposed boiler. ------ KVA DG set will be used as standby during power failure and stack height (------ m) will be provided as per CPCB norms to the proposed DG sets.

OR

Total power requirement of distillery/ sugar mill after expansion will be ----- MW which will be sourced from existing/proposed ------ MW co-generation power plant. NOC for power requirement from State Grid has been obtained vide letter no.----- dated ---------. Existing unit has ------ TPH --------- fired boiler. ---- TPH -------- fired boiler will be installed. APCE ------- with a stack of height of ----- m is installed with the existing boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm3. APCE ------ with a stack of height of ------ m will be installed for controlling the particulate emissions within the statutory limit of 50 mg/Nm^3 for the proposed boiler. Industry has ------ KVA DG set which will be used as standby during power failure and stack height (------ m) will be provided as per CPCB norms to the proposed DG sets.

13. Details of Process emissions generation and its management (In para form with bullets)

14. Details of Solid waste/ Hazardous waste generation and its management ((In para form with bullets)

15. If greenfield project, Total land of ------ Hectares is under possession of the company and land use conversion has been completed vide letter no.------ dated --------/ land use conversion application has been submitted to ---------- dated ---------.

16. Details of SCZMA clearance , forest clearance if applicable. SCZMA clearance has been obtained by ------- Coastal Zone management Authority vide letter no. ------- dated -----

--------. Stage I Forest Clearance has been obtained by ---------- vide letter no. ---------- dated ---------.

17. Co-ordinates of proposed wells for 1(b) projects.

Capital cost and recurring cost of EMP are given below:

Sl. No	Description	Capital Cost in Crores	Recurring Cost in Crores /Annum
1.			
2.			
	Grand Total		

Details of CER with proposed activities and budgetary allocation:

Sl. No	Proposed activity	Proposed Budget
1.		
2.		
	Grand Total	

Annexure IV

For Re-consideration projects

Subject: .....- Environmental Clearance- reg.

[Proposal NO....., F.NO.....]

The proposal was earlier considered by the EAC (Ind-2) in its ------ meeting/meeting ID------ held during -------- wherein EAC deferred the proposal and desired certain requisite information/inputs. Information desired by the EAC and responses submitted by the project proponent is as under:

S.No	ADS by MOEFCC	Reply of PP
1	-----	----------
2	-------	----------

After this, please follow Annexure I, II, III as per the case applicability.

Annexure-V

The proposal is for amendment in the Environmental Clearance granted by the Ministry vide letter no. dated..... for the project.....located at.....by M/s ..... .

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

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

Template for presentation before the EAC

Slide 1

Agenda No.

- 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:
  - Name
  - NABET Registration No.
  - Validity

Name of the Project (Including Company's Name)

- 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

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

Accessibility	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

N

High Tide line	2.7 Km
Low Tide line	4.3 Km

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Slide 6 : Example

Topographical Map

Particular	Distance and Direction
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

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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

Slide 22

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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Slide 24

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. at .....which was presided over by the .....attended 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 2 3	Mr X… Mr Y… Mr Z…		

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Slide 27

Public Hearing Photographs

Annexure-VII

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.

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